

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
CRAFTSMAN		

TTG AGA GCG CTC GTC TTT CAC GGC AAC CTC CAG TAT GCC GAA ATC CCA 48
 Ile Arg Ala Leu Val Phe His Gly Asn Leu Gln Tyr Ala Glu Ile Pro 15
 AAG AGC GAA ATC CCA AAG GTC ATA GAG AAG GCA TAC ATC CCA GTC ATC 96
 Lys Ser Glu Ile Pro Lys Val Ile Glu Lys Ala Tyr Ile Pro Val Ile 30
 GAG ACA CTG ATT AAA GAA GAA ATT CCT TTT GGG CTC AAC ATA ACG GGC 144
 Glu Thr Leu Ile Lys Glu Glu Ile Pro Phe Gly Leu Asn Ile Thr Gly 45
 TAT ACC TTA AAG TTC CTC CCG AAG GAT ATT ATA GAC CTC GTT AAA GGG 192
 Tyr Thr Leu Lys Phe Leu Pro Lys Asp Ile Ile Asp Leu Val Lys Gly 60
 GGC ATC GCG AGT GAC CTG ATA GAG ATA ATC GGA ACG AGC TAC ACG CAC 240
 Gly Ile Ala Ser Asp Leu Ile Glu Ile Ile Gly Thr Ser Tyr Thr His 80
 GCA ATA CTC CCC CTC CTG CCG CTT AGC AGA GAA GCA CAA GTT CAG 288
 Ala Ile Leu Pro Leu Leu Pro Leu Ser Arg Val Glu Ala Gln Val Gln 95
 AGA GAT AGG GAA GTT AAG GAA GAG CTC TTC GAG GTT TCT CCA AAG GGA 336
 Arg Asp Arg Glu Val Lys Glu Glu Leu Phe Glu Val Ser Pro Lys Gly 110
 TTC TGG CTG CCA GAG CTC GCC TAT GAC CCG ATA ATC CCT GCC ATA CTG 384
 Phe Trp Leu Pro Glu Leu Ala Tyr Asp Pro Ile Ile Pro Ala Ile Leu 125

FIG. 1A





O.G. FIG.		
APPROVED	CLASS	SUBCLASS
BY		
DRAFTSMAN		

432
AAG GAC AAC GGT TAT GAG TAT CTA TTC GCC GAC GGG GAG GCG ATG CTT
Lys Asp Asn Gly Tyr Glu Tyr Leu Phe Ala Asp Gly Glu Ala Met Leu
130 135 140
TTC TCA GCT CAT CTC AAC TCG GCG ATA AAG CCA ATT AAA CCG CTC TAT
Phe Ser Ala His Leu Asn Ser Ala Ile Lys Pro Ile Lys Pro Leu Tyr
145 150 155 160
CCA CAC CTT ATA AAG GCC CAA AGG GAA AAG CGC TTT AGG TAC ATC AGC
Pro His Leu Ile Lys Ala Gln Arg Glu Lys Arg Phe Tyr Ile Ser
165 170 175
TAT CTC CTT GGT CTC AGG GAG CTT AGG AAG GCG ATA AAG CTC GTT TTT
Tyr Leu Leu Gly Leu Arg Glu Leu Arg Lys Ala Ile Lys Leu Val Phe
180 185 190
GAA GGT AAG GTA ACG CTA AAG GCA GTC AAA GAC ATC GAA GCC GTA CCC
Glu Gly Lys Val Thr Leu Lys Ala Val Lys Asp Ile Glu Ala Val Pro
195 200 205
GTT TGG GTG GCC GTG AAC ACG GCT GTA ATG CTC GGC ATC GGA AGG CTT
Val Trp Val Ala Val Asn Thr Ala Val Met Leu Gly Ile Gly Arg Leu
210 215 220
CCT CTT ATG AAT CCT AAG AAA GTG GCG AGC TGG ATA GAG GAC AAG GAC
Pro Leu Met Asn Pro Lys Lys Val Ala Ser Trp Ile Glu Asp Lys Asp
225 230 235 240
AAC ATT CTT CTA TAC GGC ACC GAT ATA GAG TTC ATT GGC TAT AGG GAC
Asn Ile Leu Leu Tyr Gly Thr Asp Ile Glu Phe Ile Gly Tyr Arg Asp
245 250 255 260
768

FIG. 1B



O.G. FIG.		
APPROVED	BY	SUBCLASS
	DRAFTSMAN	

ATT GCA GGC TAC AGA ATG AGT GTT GAG GGA TTA TTA GAG GTT ATA GAC Ile Ala Gly Tyr Arg Met Ser Val Glu Gly Glu Leu Leu Val Ile Asp 260 265 270	816
GAG CTC AAC TCG GAA CTG TGC CTT CCC TCA GAG CTG AAG CAC AGT GGA Glu Leu Asn Ser Glu Leu Cys Leu Pro Ser Glu Leu Lys His Ser Gly 275 280 285	864
AGG GAG CTC TAC TTA CGG ACT TCG AGT TGG GCA CCA GAT AAG AGC TTG Arg Glu Leu Tyr Leu Arg Thr Ser Ser Trp Ala Pro Asp Lys Ser Leu 290 295 300	912
AGG ATA TGG AGA GAG GAC GAA GGG AAC GCA AGA CTT AAT ATG CTG TCC Arg Ile Trp Arg Glu Asp Glu Gly Asn Ala Arg Ala Leu Asn Met Leu Ser 305 310 315	960
TAC AAT ATG AGG GGC GAA CTC GCC TTT TTA GCC GAG AAC AGC GAT GCA Tyr Asn Met Arg Gly Glu Leu Ala Phe Leu Ala Glu Asn Ser Asp Ala 320 325 330 335	1008
AGG GGA TGG GAG CCC CTC CCT GAG AGG AGG CTG GAT GCC TTC CGG GCG Arg Gly Trp Glu Pro Leu Pro Glu Arg Arg Leu Leu Asp Ala Phe Arg Ala 340 345 350	1056
ATA TAT AAC GAT TGG AGG GGT GAA AAT GGG GAA CCT TAG Ile Tyr Asn Asp Trp Arg Gly Glu Glu Pro Pro END 355 360 365	1095

FIG. 1C

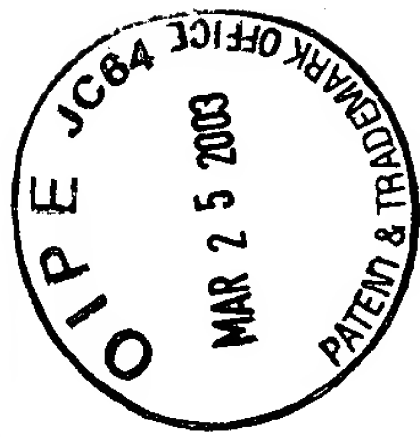


FIG. 1

TTG AGA GCG CTC GTC TTT CAC GGC AAC CTC CAG TAT GCC GAA ATC CCA	48
Leu Arg Ala Leu Val ₅ Phe His Gly Asn Leu ₁₀ Gln Tyr Ala Glu Ile ₁₅ Pro	
AAG AGC GAA ATC CCA AAG GAG AAG GCA TAC ATC CCA GTC ATC	96
Lys Ser Glu Ile ₂₀ Pro Lys Val Ile Glu ₂₅ Ala Tyr Ile Ile ₃₀ Pro Val Ile	
GAG ACA CTG ATT AAA GAA GAT CCT TTT GGG CTC AAC ATA ACG GGC	144
Glu Thr Leu ₃₅ Ile Lys Glu Glu ATT Ile Pro Phe Ile Asn ₄₅ Thr Gly	
TAT ACC TTA AAG TTC CTC CCG AAG GAT ATT ATA GAC CTC GTT AAA GGG	192
Tyr Thr Leu Lys Phe Leu ₅₀ Pro Lys Asp Ile Ile Asp Leu Val Lys Gly	
GGC ATC GCG AGT GAC CTG ATA GAG ATA ATC GGA ACG AGC TAC ACG CAC	240
Gly Ile Ala Ser Asp Leu ₇₀ Ile Glu Ile Ile Gly ₇₅ Thr Ser Tyr Thr His ₈₀	
GCA ATA CTC CCC CTC CTC CCG CTT AGC AGA GTA GAA GCA CAA GTT CAG	288
Ala Ile Leu Pro Leu ₈₅ Leu Pro Leu Ser Arg ₉₀ Val Glu Ala Gln Val ₉₅ Gln	
AGA GAT AGG GAA GTT AAG GAG GAG CTC TTC GAG GAT TCT CCA AAG GGA	336
Arg Asp Arg Glu Val ₁₀₀ Lys Glu Glu Leu Phe Glu Val Ser ₁₁₀ Pro Lys Gly	
TTC TGG CTG CCA GAG CTC GCC TAT GAC CCG ATA ATC CCT GCC ATA CTG	384
Phe Trp Leu ₁₁₅ Pro Glu Leu Tyr Asp Ile Ile ₁₂₅ Pro Ala Ile Leu	



FIG. 1A^B

AAG Lys 130	GAC Asp 130	AAC Asn	GGT Gly	TAT Tyr 135	GAG Glu	TAT Tyr	CTA Leu	TTC Phe	GCC Ala	GAC Asp	GGG Gly 140	GAG Glu	GCG Ala	ATG Met	CTT Leu	432
TTC Phe 145	TCA Ser 145	GCT Ala	CAT His	CTC Leu	AAC Asn 150	TCG Ser	GCG Ala	ATA Ile	AAG Lys	CCA Pro 155	ATT Ile	AAA Lys	CCG Pro	CTC Leu	TAT Tyr 160	480
CCA Pro 528	CAC His 528	CTT Leu 528	ATA Ile 528	AAG Lys 528	GCC Ala 528	CAA Gln	AGG Arg	GAA Glu	AAG Lys 170	CGC Arg	TTT Phe	AGG Arg	TAC Tyr 175	ATC Ile	AGC Ser	528
TAT Tyr 576	CTC Leu 576	CTT Leu 576	GGT Gly 180	CTC Leu 576	AGG Arg	GAG Glu	CTT Leu	AGG Arg	AAG Lys 185	GCG Ala	ATA Ile	AAG Lys	CTC Leu 190	GTT Val	TTT Phe	576
GAA Glu 624	GGT Gly 624	AAG Lys 624	GTA Val 624	ACG Thr 624	CTA Leu 624	AAG Lys	GCA Ala 200	GTC Val	AAA Lys	GAC Asp	ATC Ile	GAA Glu 205	GCC Ala	GTA Val	CCC Pro	624
GTT Val 672	TGG Trp 210	GTG Val 672	GCC Ala 672	GTG Val 672	AAC Asn 672	ACG Thr 215	GCT Ala	GTA Val	ATG Met	CTC Leu	GGC Gly 220	ATC Ile	GGA Gly	AGG Arg	CTT Leu	672
CCT Pro 720	CTT Leu 720	ATG Met 720	AAT Asn 720	CCT Pro 720	AAG Lys 230	AAA Lys	GTG Val	GCG Ala	AGC Ser	TGG Trp 235	ATA Ile	GAG Glu	GAC Asp	AAG Lys	GAC Asp 240	720
AAC Asn 768	ATT Ile 768	CTT Leu 768	CTA Leu 768	TAC Tyr 245	GGC Gly	ACC Thr	GAT Asp	ATA Ile	GAG Glu 250	TTC Phe	ATT Ile	GGC Gly	TAT Tyr 255	AGG Arg	GAC Asp	768



FIG. 18C

ATT GCA GGC TAC AGA ATG AGT GTT GAG GGA TTA TTA GAG GTT ATA GAC	816
Ile Ala Gly Tyr Arg Met Ser Val Glu 265	
GAG CTC AAC TCG GAA CTG TGC CTT CTT CCC TCA GAG CTG AAG CAC	864
Glu Leu Asn 275 Ser Glu Leu Cys Leu 280 Leu Glu Glu Leu Lys 285 His	
AGG GAG CTC TAC TTA CGG ACT TCG AGT TGG GCA CCA GAT AAG AGC TTG	912
Arg Glu Leu 290 Tyr Arg Asp Glu Thr 295 Ser Ser Trp Ala 300 Pro Asp Lys Ser Leu	
AGG ATA TGG AGA GAG GAC GAA GGG AAC GCA AGA CTT AAT ATG CTG TCC	960
Arg Ile Trp Arg Glu Asp 310 Glu Glu Gly Asn Ala 315 Arg Ala 320 Ser	
TAC AAT ATG AGG GGC GAA CTC CTC GCG CTT TTA GCC GAG AAC AGC GAT GCA	1008
Tyr Asn Met Arg Gly 325 Leu Ala Phe 330 Leu Ala Glu Asn Ser Asp Ala 335	
AGG GGA TGG GAG CCC CTC CCT GAG AGG AGG CTG GAT GCC TTC CGG GCG	1047
Arg Gly Trp Glu 340 Pro Leu Pro Glu Arg Arg Leu Asp Ala Phe 350 Arg Ala	
ATA TAT AAC GAT TGG AGG AAT GAA CCT TAG	1086
Ile Tyr Asn 355 Asp Trp Arg Gly Glu Pro End 365	